

## Can matter be created/destroyed?

In the instant context, 'creation' means converting nothing into something. 'Destruction' means the opposite: morphing something into nothing. Therefore, in order to understand what is being asked as well as the reply, it is indispensable to define *something* and *nothing*... plus a couple more useful concepts...

*something: that which has shape (synonyms: thing, object, body, structure, medium, etc.)*

*nothing: that which doesn't have shape (synonyms: space, vacuum, void, naught)*

*exist: object that has location*

*matter: objects that exist*

In order for an object to exist, it must have location and in order for it to have location it must be 3D.

So here's the million dollar question: By what mechanism can a 3D existing object spontaneously lose length, width, and height and morph into nothing? Conversely, by what mechanism can nothing suddenly acquire length, width, and height and morph into something?

Keep in mind that the entire process has to occur in zero time: from one frame of the universal film to the next. In the first frame there is nothing and in the next one there is something (or vice versa). Of course, no one can even imagine, let alone explain, such a surrealistic mechanism or process. And that's the answer to why matter can't be destroyed (converted into nothing) or created (nothing into something).

And then, again, you will find naive individuals who are fooled into believing that such processes occur daily in accelerators around the world. Yet, when you analyze their arguments closely, you discover that they do their magic with mysterious mathematical spirits. The unsophisticated mind has been led to believe that particle accelerators routinely convert an abstract concept they call 'energy' into another concept they call 'mass'. This is like saying that you convert the concept 'love' into the concept 'information'. Not only is this a far cry from an explanation of a physical mechanism, it's not even a justified description. Saying that energy turns into matter is just a sweeping statement in which an abstract concept somehow morphs into another. (*'Matter' is a concept: objects that exist. There is no standalone object called 'matter'.*)

The challenge before these misguided individuals is whether they can explain a mechanism using objects, for instance, converting a corpuscle into nothing or nothing into an atom. An illustration of the process would certainly go a long way to settling the matter once and for all. But don't hold your breath waiting for an answer in this lifetime.